

01434021 WEST BRANCH NEVERSINK RIVER AT WINNISOOK LAKE NEAR FROST VALLEY, NY

LOCATION.--Lat 42°00'40", long 74°24'53", Ulster County, Hydrologic Unit 02040104, on right bank 0.1 mi southwest of Winnisook Lake, and 4.5 mi northeast of Frost Valley.

DRAINAGE AREA.--0.77 mi².

PERIOD OF RECORD.--January 1991 to current year.

REVISED RECORDS.--WDR NY-94-1: 1992-93(P). WDR NY-01-1: 2000.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,680 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 212 ft³/s, Sept. 16, 1999, gage height, 3.30 ft; minimum, 0.05 ft³/s, Aug. 6, 7, 8, 1991, gage height, 0.93 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft³/s (revised) and maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)		Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	Oct 27	1530	129	2.39		Mar 6	0630	52	1.75
	Nov 20	0130	73	1.90		Jul 23	1245	115	2.25
	Dec 11	1230	113	2.23		Aug 12	1715	134	2.44
	Dec 24	1545	99	2.09		Sep 18	0930	*145	*2.55

Minimum discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	4.9	3.5	2.6	e0.62	e0.30	23	2.5	4.2	0.58	3.2	1.4
2	4.5	4.5	2.8	2.4	e0.60	e0.35	15	2.4	4.7	0.68	2.8	1.3
3	3.6	4.0	2.4	2.8	e0.60	e0.40	6.5	3.9	3.9	0.54	2.2	1.2
4	4.6	3.6	2.1	4.1	e0.56	e0.50	4.8	3.5	3.2	0.49	2.1	1.1
5	4.9	3.6	2.0	3.8	e0.54	0.78	3.8	2.9	2.7	0.65	2.1	1.0
6	3.9	3.7	2.0	e3.0	e0.54	19	3.2	2.6	2.5	0.58	1.8	0.97
7	3.6	3.2	1.9	e2.8	e0.56	4.6	2.8	2.4	2.2	0.62	1.6	0.91
8	3.3	2.8	1.7	e2.5	e0.54	2.7	2.6	2.1	2.0	0.59	1.4	1.4
9	3.0	2.6	1.5	e2.2	e0.50	2.0	2.4	1.9	1.9	0.46	1.3	23
10	3.1	2.3	1.5	e2.0	e0.47	1.9	2.3	1.9	1.9	0.43	1.2	7.8
11	2.9	2.4	39	e1.9	e0.46	e1.8	2.1	1.9	1.7	0.47	1.3	3.7
12	2.9	2.3	9.2	e1.8	e0.45	1.7	2.1	1.8	1.5	0.50	29	2.8
13	2.8	2.4	4.0	e1.7	e0.43	e1.6	9.6	1.8	1.4	0.65	36	2.3
14	2.7	2.2	3.6	e1.5	e0.41	e1.5	15	1.9	1.3	2.2	8.0	2.1
15	7.6	1.9	3.3	e1.4	e0.39	e1.4	5.7	1.9	1.2	6.2	4.5	1.9
16	4.5	1.9	2.3	e1.3	e0.37	e1.4	3.7	1.7	1.1	3.1	9.0	1.7
17	3.6	1.9	3.4	e1.3	e0.35	e1.3	3.6	1.7	1.3	4.2	8.3	3.2
18	3.1	1.7	3.2	e1.2	e0.34	1.2	5.7	1.6	1.3	6.0	4.5	56
19	2.8	13	2.4	e1.2	e0.33	1.2	7.1	1.5	1.1	4.2	3.7	9.7
20	2.6	30	2.1	e1.1	e0.32	1.2	5.4	1.5	0.94	3.4	3.1	5.0
21	2.6	6.0	1.9	e1.1	e0.31	1.3	3.9	1.4	0.84	2.6	6.4	3.5
22	2.3	4.2	1.9	e1.0	e0.30	1.2	3.5	1.3	0.90	2.2	4.9	3.0
23	2.0	3.6	1.9	e0.94	e0.30	1.5	5.2	1.8	0.84	32	3.7	2.4
24	1.9	3.1	39	e0.90	e0.30	1.1	4.3	3.5	0.82	9.6	3.0	2.1
25	1.8	2.7	13	e0.88	e0.29	1.1	3.3	4.0	0.78	3.7	2.6	1.8
26	1.9	2.4	5.6	e0.87	e0.29	1.7	8.4	4.7	0.92	2.6	2.3	1.6
27	49	2.1	4.2	e0.86	e0.29	7.2	6.4	12	0.72	6.5	2.1	1.5
28	14	6.5	3.7	e0.80	e0.29	6.5	3.9	8.3	0.69	10	1.7	11
29	29	12	3.3	e0.74	e0.29	4.4	3.2	4.5	0.69	7.3	1.6	15
30	9.0	4.4	3.1	e0.70	---	3.5	2.8	3.7	0.62	4.2	1.6	5.0
31	6.1	---	2.9	e0.66	---	5.1	---	3.1	---	3.6	1.7	---
TOTAL	194.5	141.9	174.4	52.05	12.04	81.43	171.3	91.7	49.86	120.84	158.7	175.38
MEAN	6.27	4.73	5.63	1.68	0.42	2.63	5.71	2.96	1.66	3.90	5.12	5.85
MAX	49	30	39	4.1	0.62	19	23	12	4.7	32	36	56
MIN	1.8	1.7	1.5	0.66	0.29	0.30	2.1	1.3	0.62	0.43	1.2	0.91
CFSM	8.15	6.14	7.31	2.18	0.54	3.41	7.42	3.84	2.16	5.06	6.65	7.59
IN.	9.40	6.86	8.43	2.51	0.58	3.93	8.28	4.43	2.41	5.84	7.67	8.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

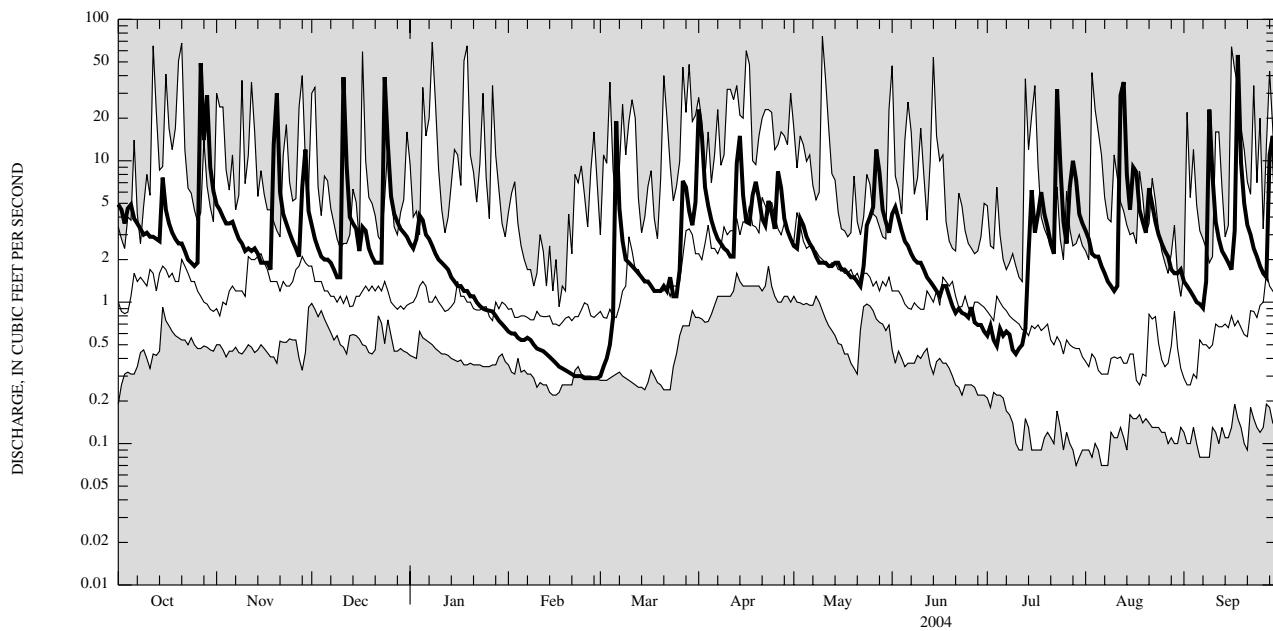
MEAN	3.03	2.96	2.31	2.49	1.08	3.10	5.59	2.89	2.03	1.41	1.39	2.39
MAX	6.96	4.88	5.85	5.65	2.20	6.31	12.1	7.69	4.36	4.59	5.49	7.98
(WY)	(2003)	(1996)	(1997)	(1998)	(1996)	(2003)	(1993)	(1998)	(2003)	(1996)	(2003)	(2003)
MIN	0.54	0.69	0.67	0.52	0.42	0.74	1.57	1.10	0.34	0.14	0.18	0.16
(WY)	(2002)	(2002)	(1998)	(2002)	(2004)	(2001)	(1995)	(1995)	(1991)	(1991)	(1993)	(1998)

DELAWARE RIVER BASIN

01434021 WEST BRANCH NEVERSINK RIVER AT WINNISOOK LAKE NEAR FROST VALLEY, NY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1991 - 2004
ANNUAL TOTAL	1,506.20	1,424.10	
ANNUAL MEAN	4.13	3.89	2.62
HIGHEST ANNUAL MEAN			3.89
LOWEST ANNUAL MEAN			1.47
HIGHEST DAILY MEAN	49	Oct 27	76 May 10, 1998
LOWEST DAILY MEAN	0.22	Feb 15	0.07 Jul 29, 1991
ANNUAL SEVEN-DAY MINIMUM	0.24	Feb 12	0.08 Aug 2, 1991
ANNUAL RUNOFF (CFSM)	5.36	5.05	3.40
ANNUAL RUNOFF (INCHES)	72.77	68.80	46.16
10 PERCENT EXCEEDS	7.2	7.1	5.1
50 PERCENT EXCEEDS	2.3	2.3	1.2
90 PERCENT EXCEEDS	0.59	0.57	0.35

e Estimated



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.